

Fig. 1
 (PRIOR ART)

MURS, FRS, CB, GMRS
GSM/CDMA, G2, G3
ISM Band,
802.11x,
Satellite
Wireless Communic

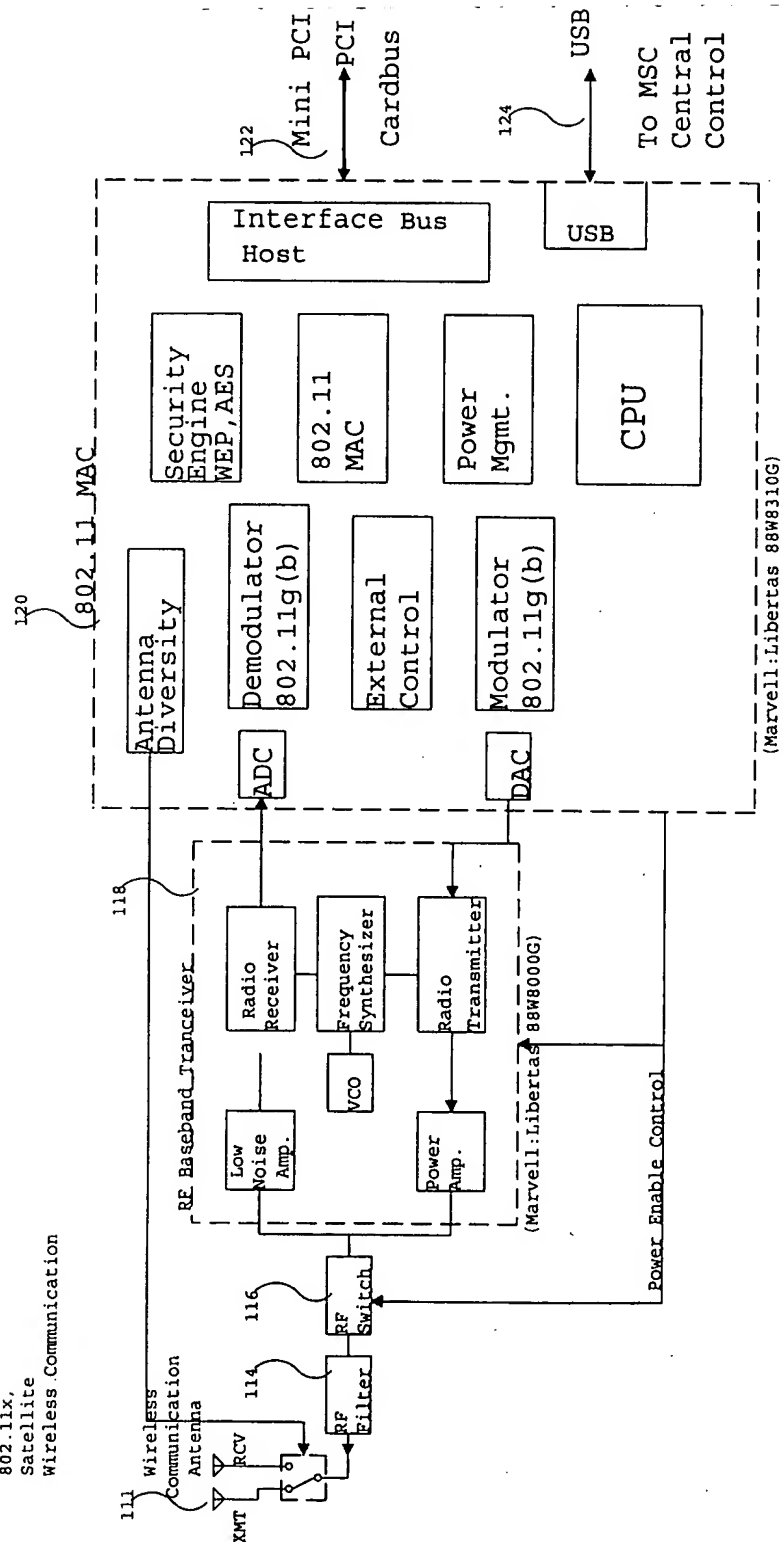


Fig. 2
(PRIOR ART)

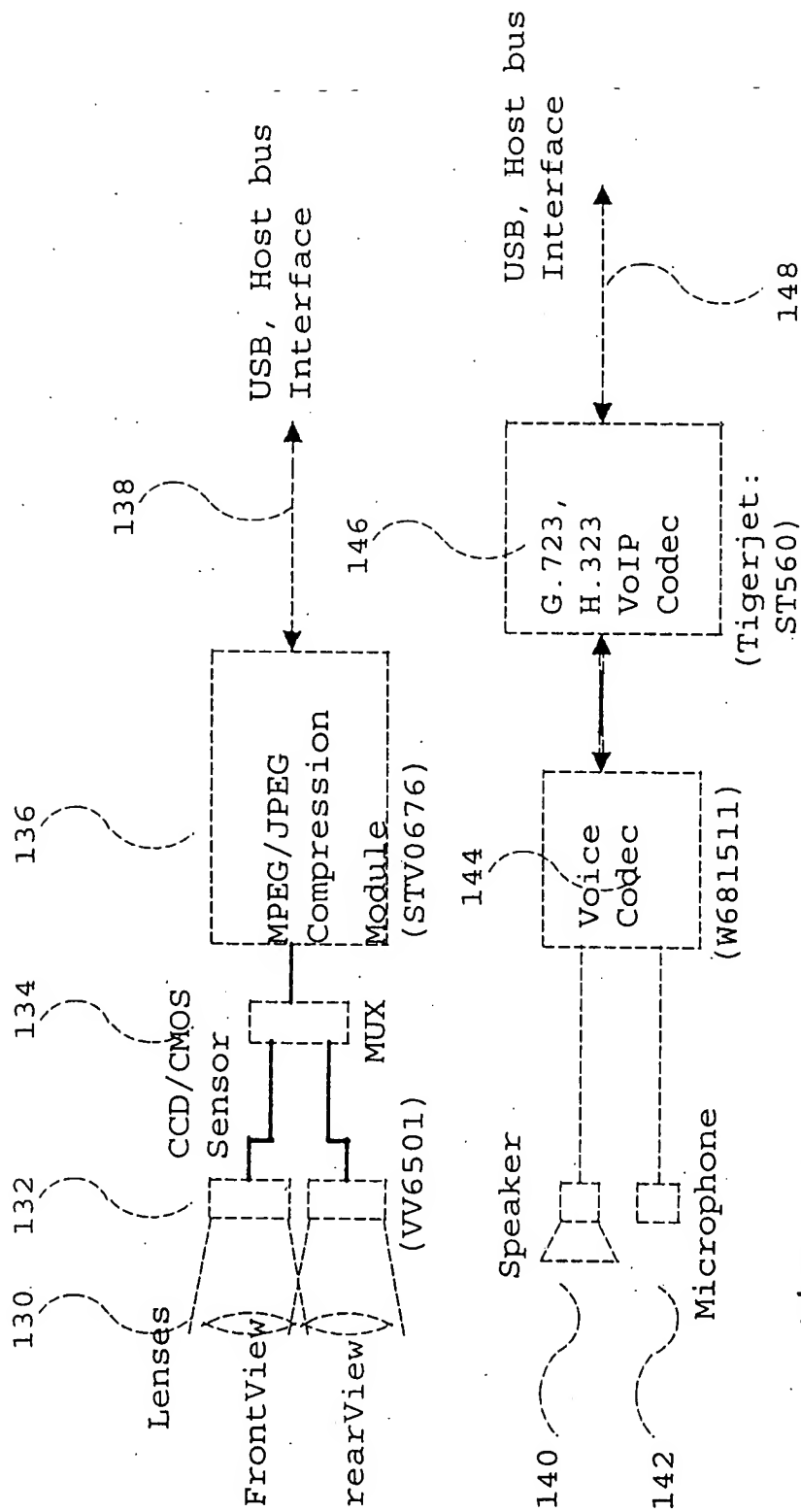


Fig. 3
(PRIOR ART)

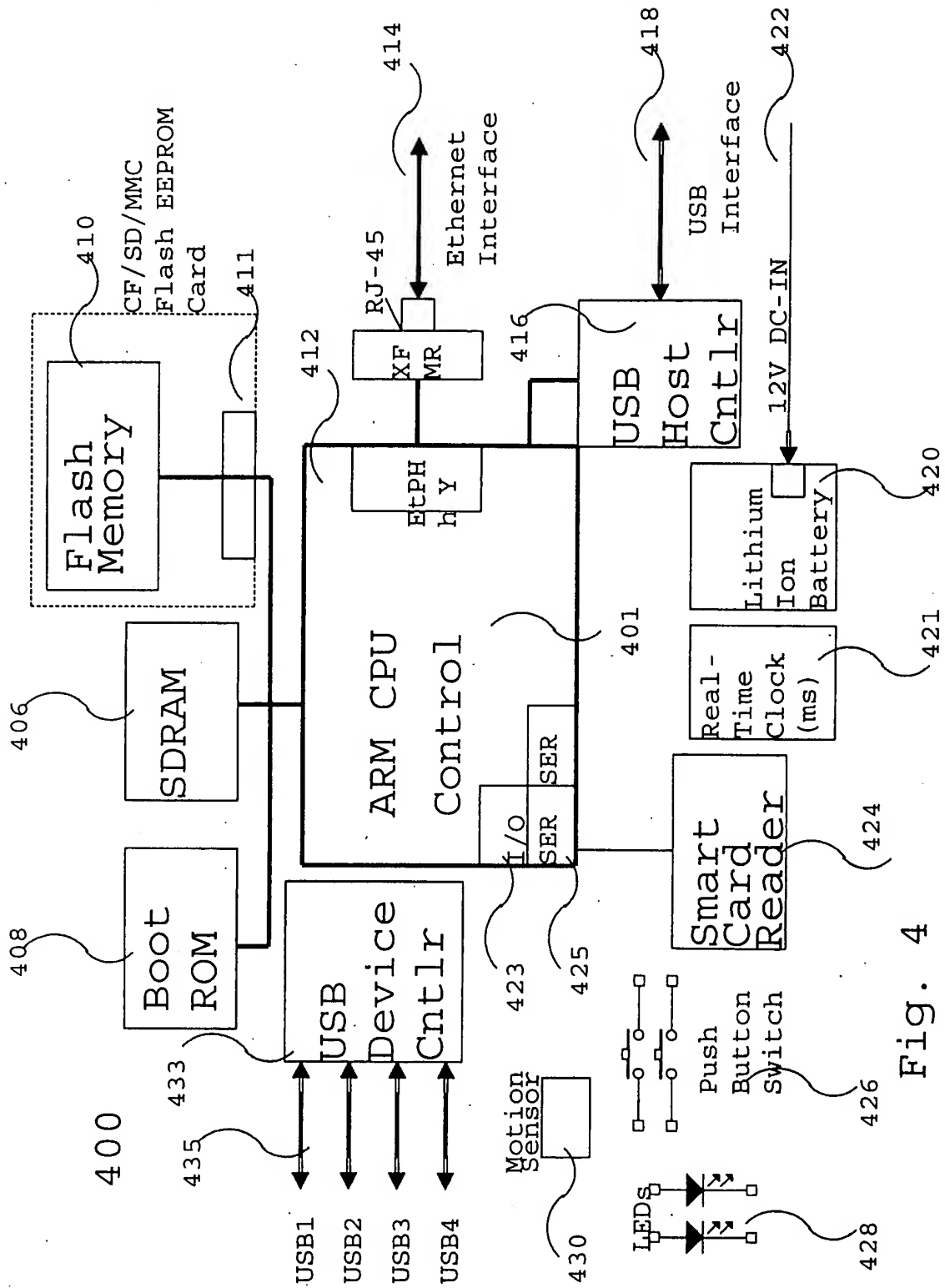


Fig. 4

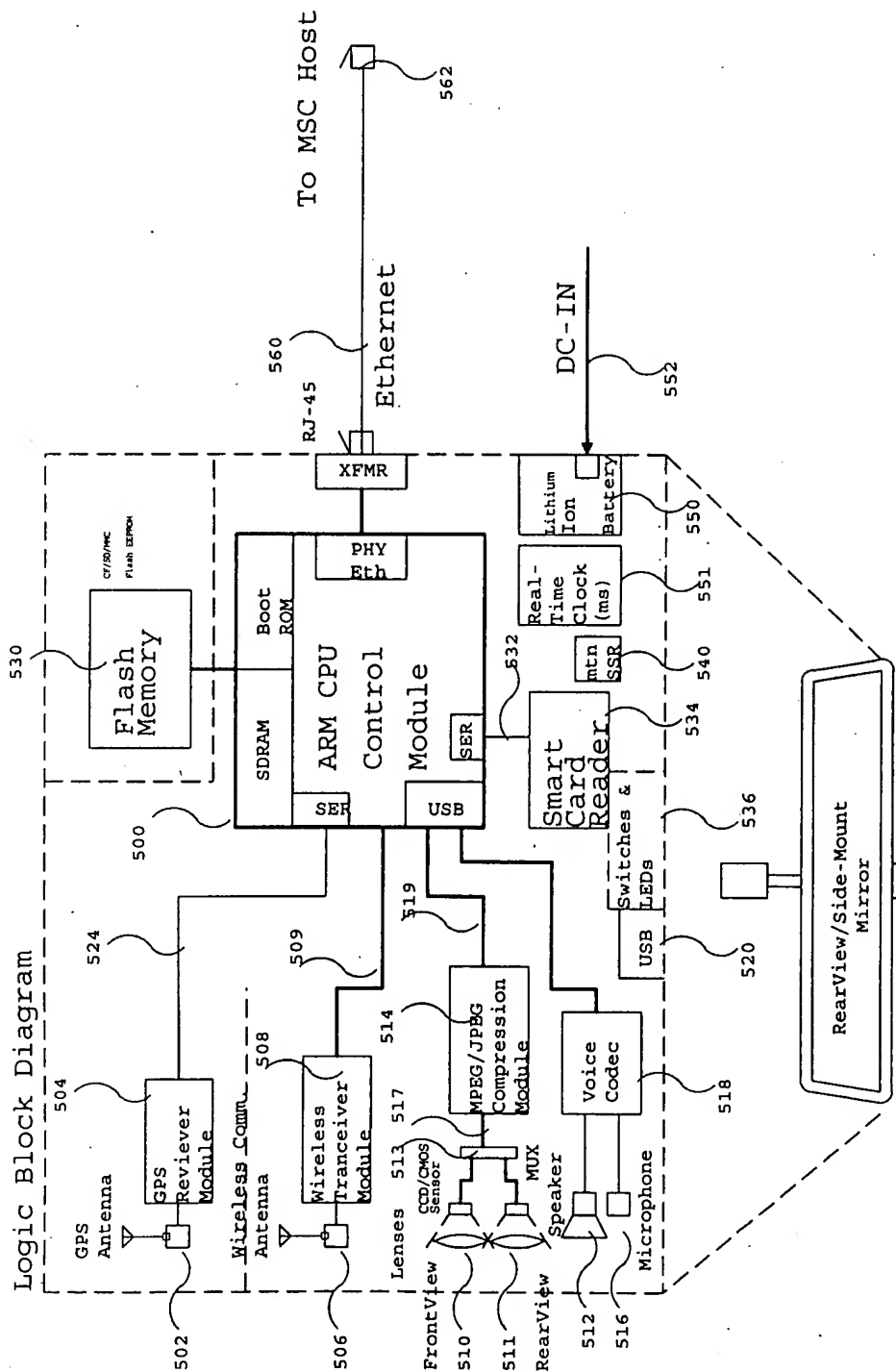


Fig. 5

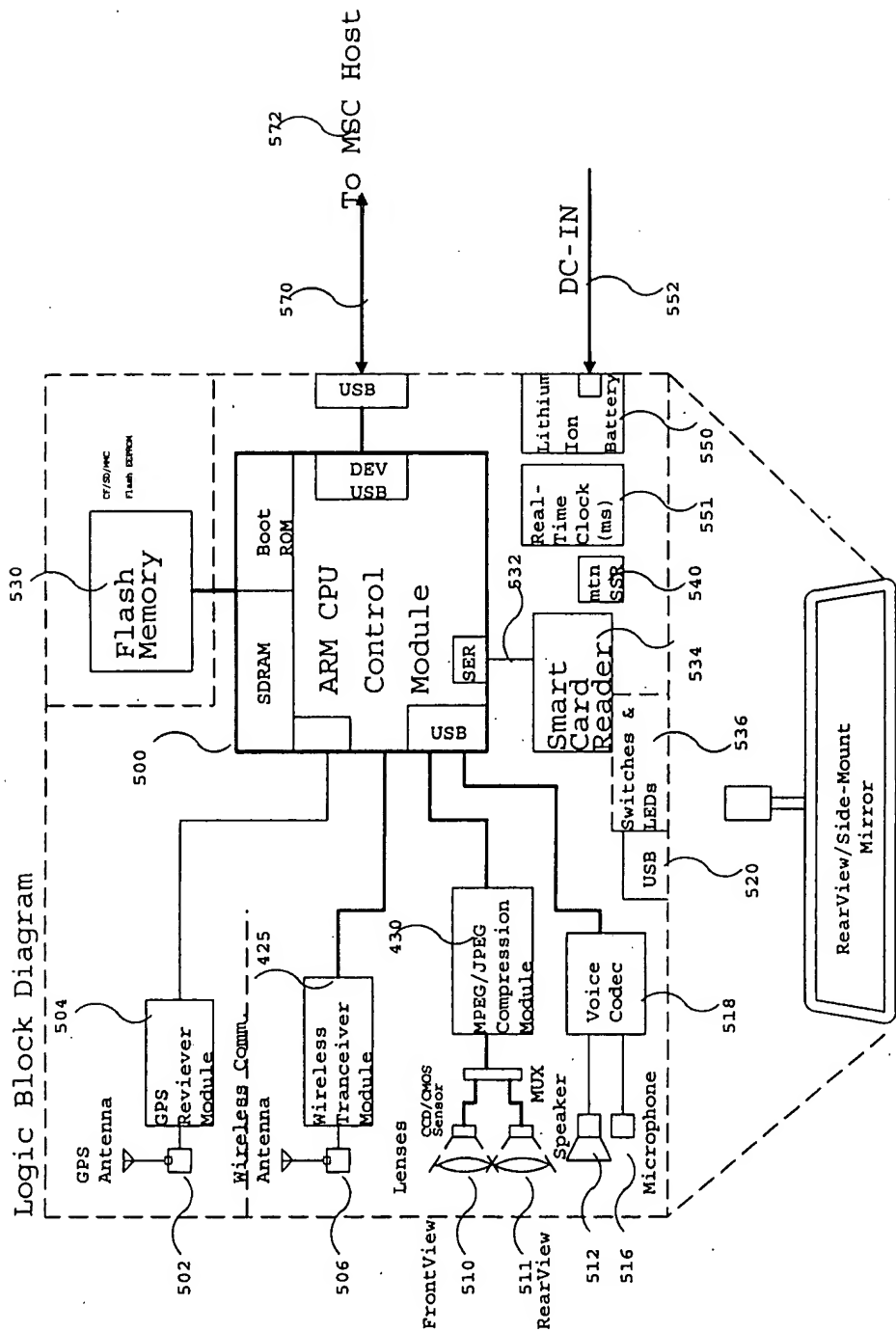


Fig. 6

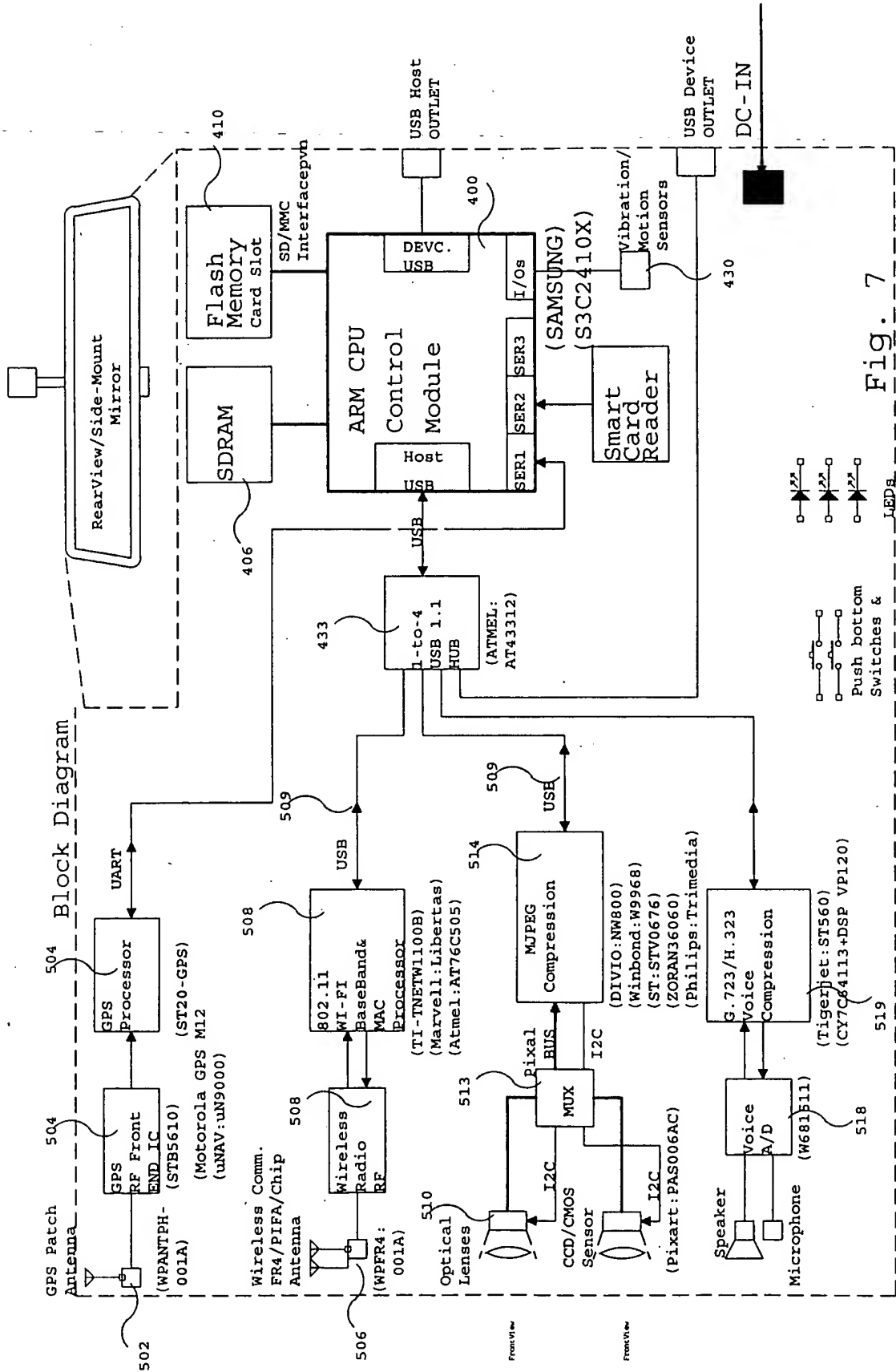


Fig. 7

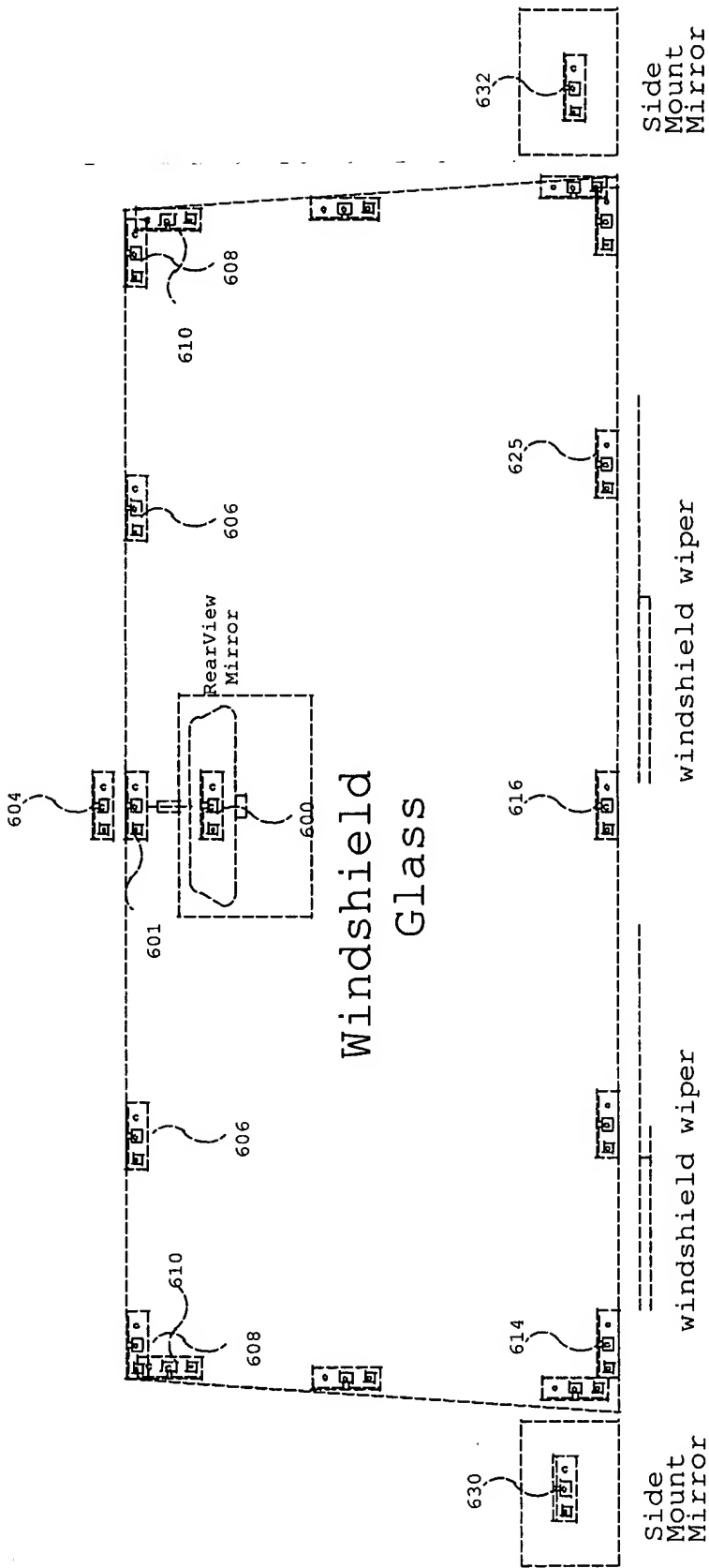


Fig. 8

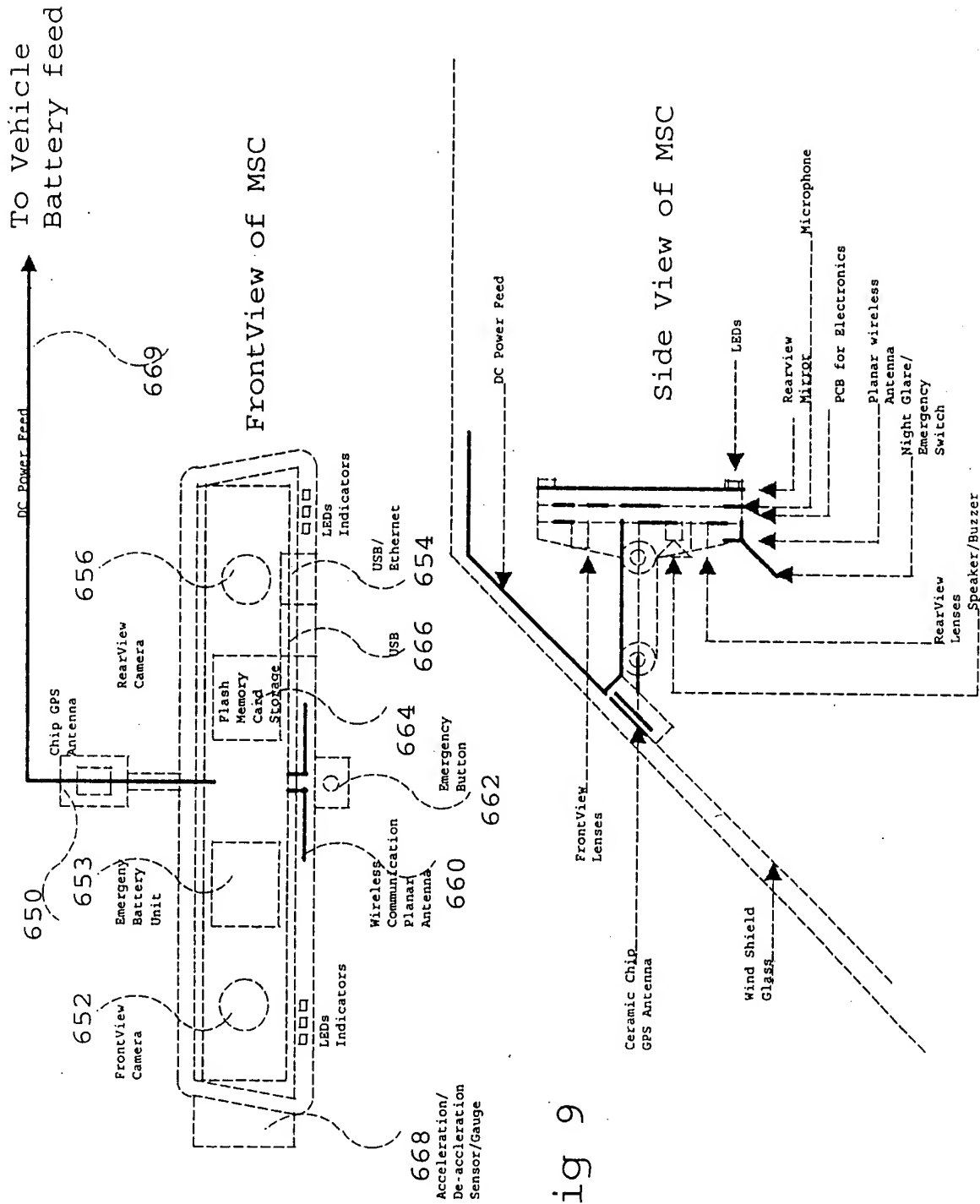


Fig 9

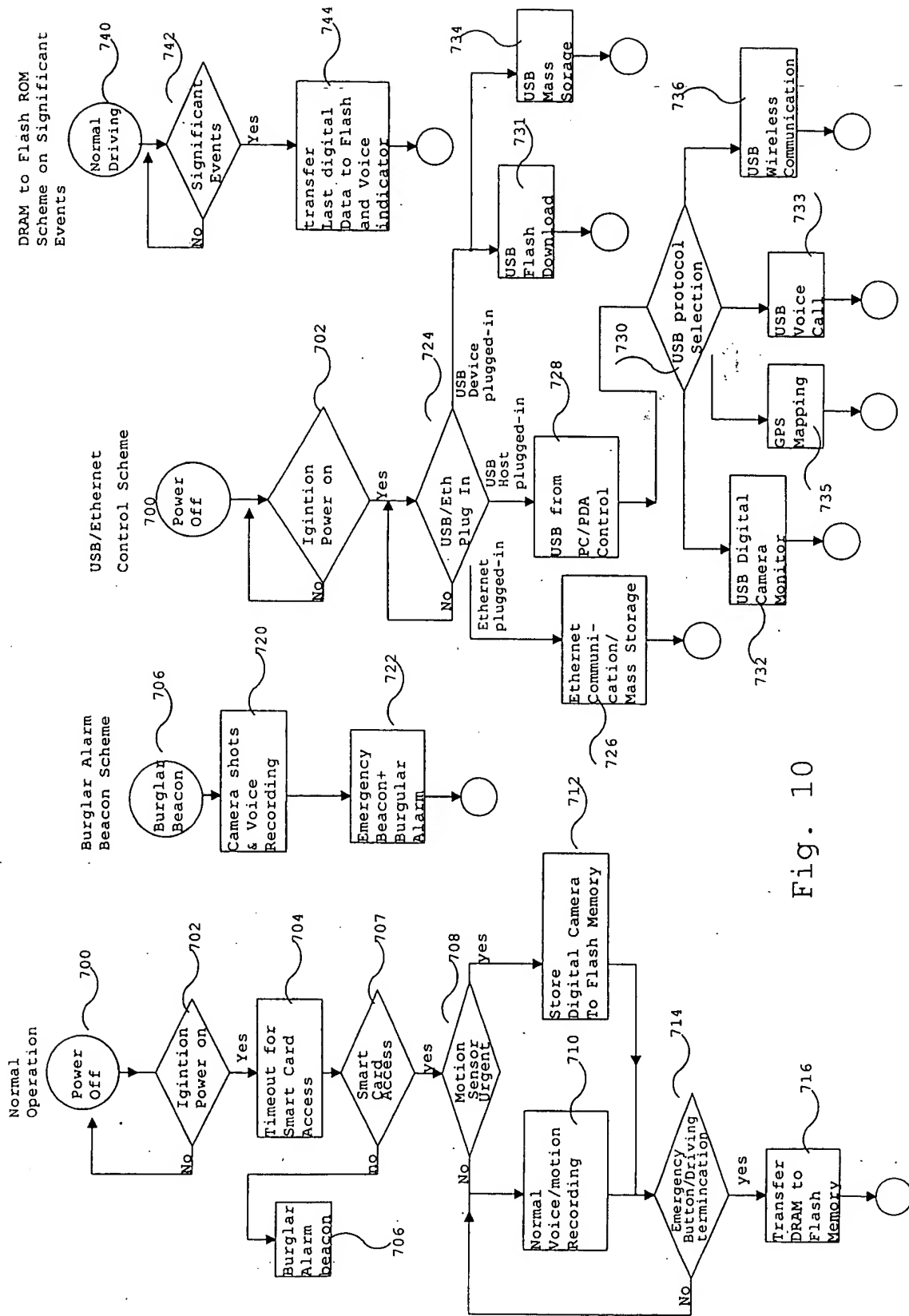
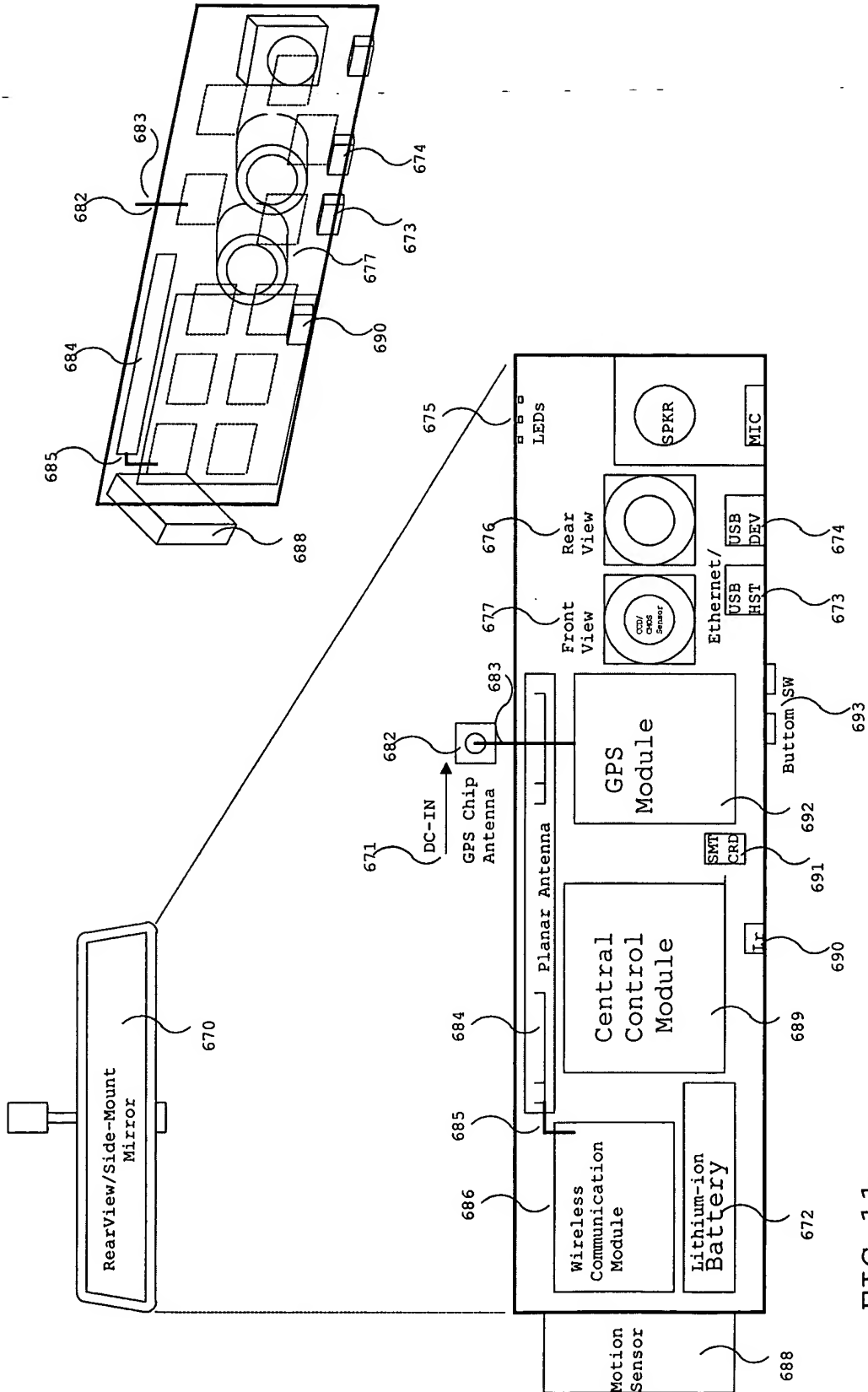


Fig. 10



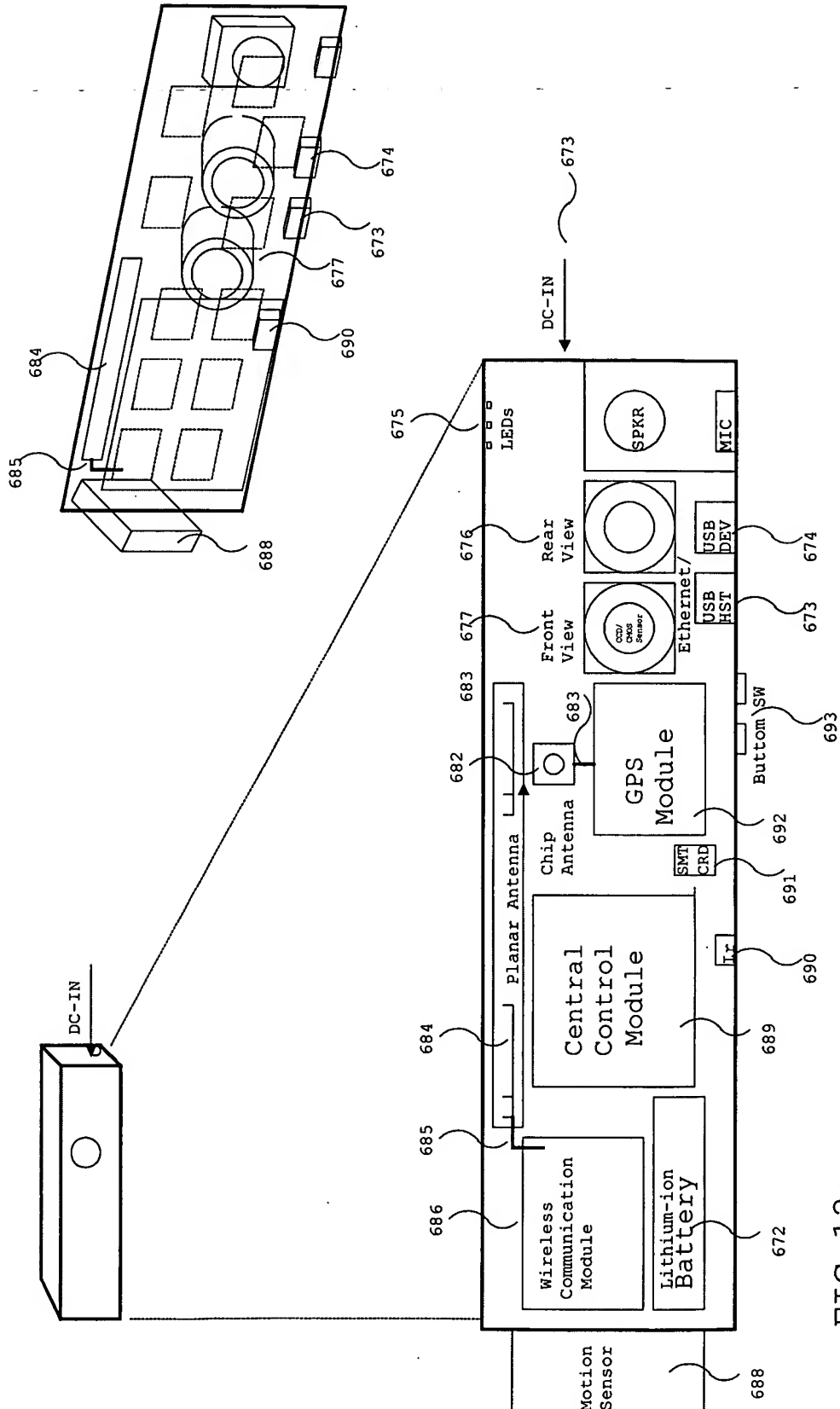


FIG 12:

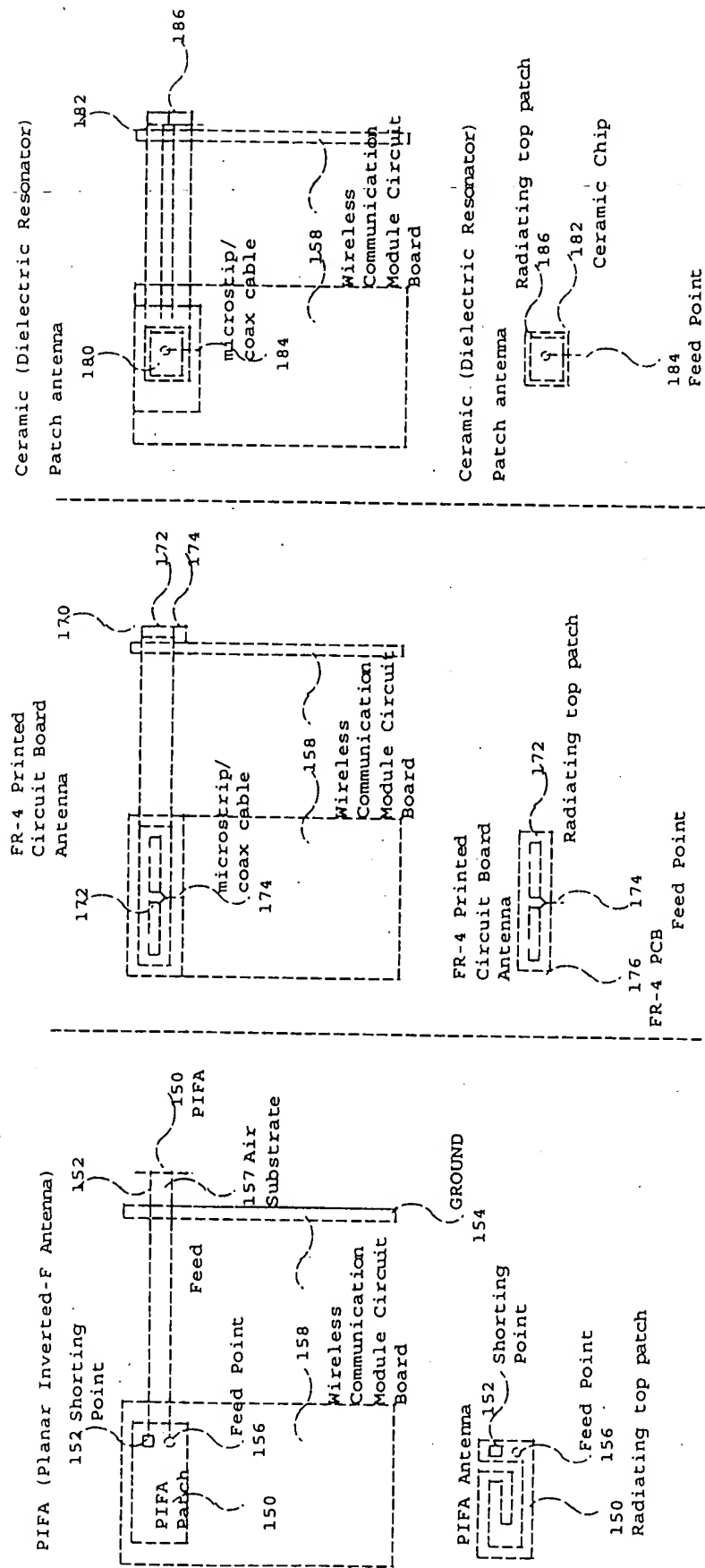


Fig.13

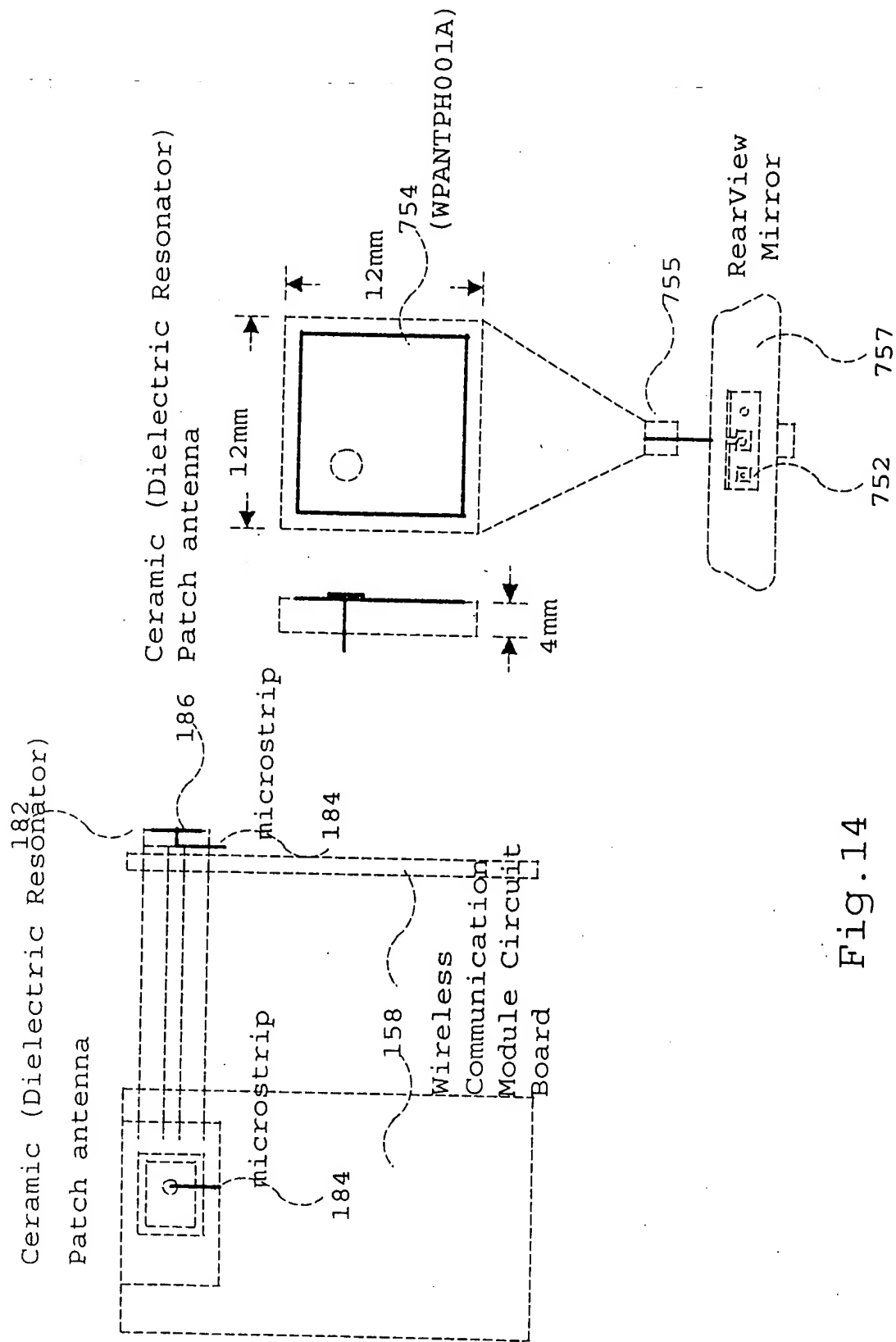


Fig.14

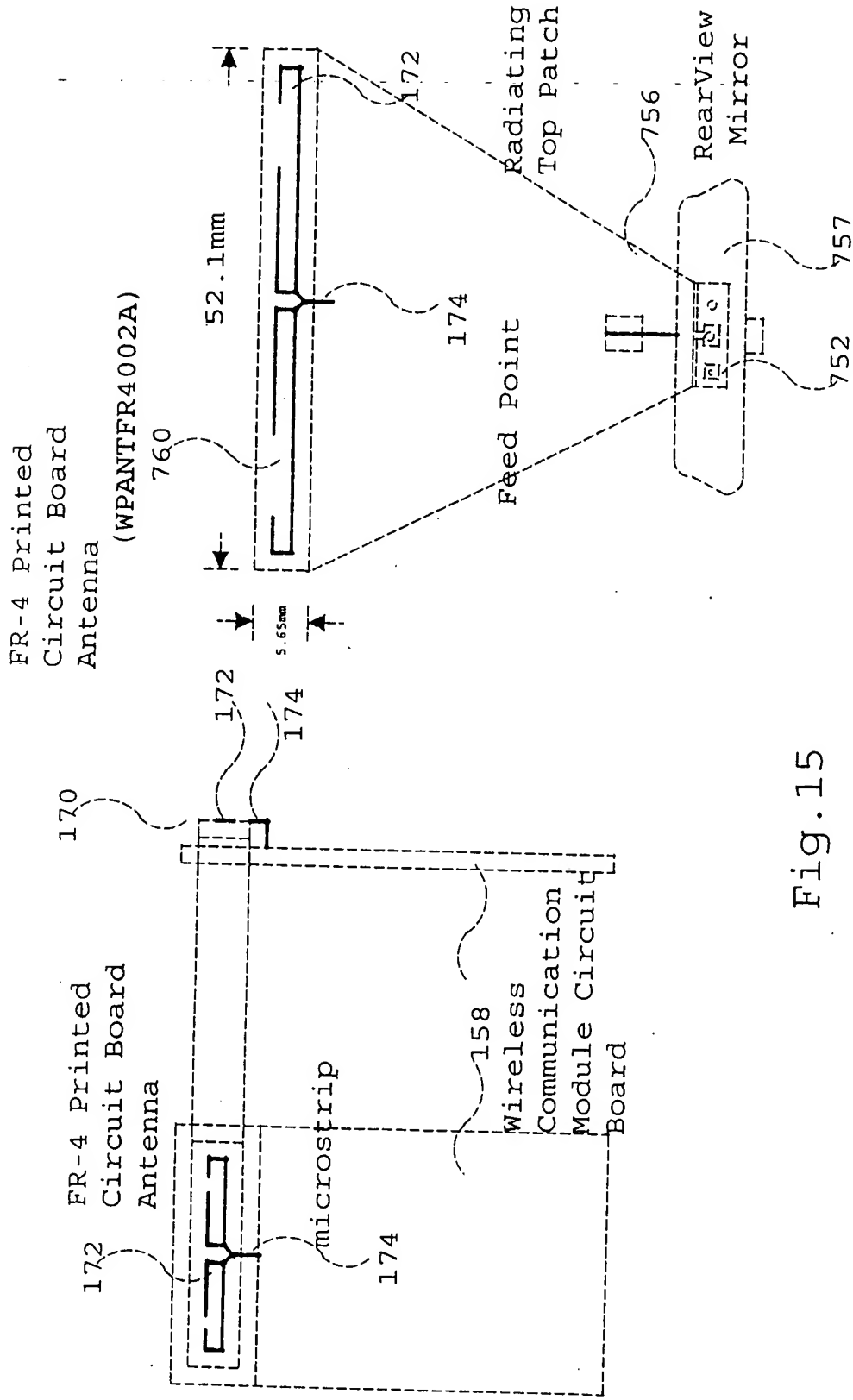


Fig.15

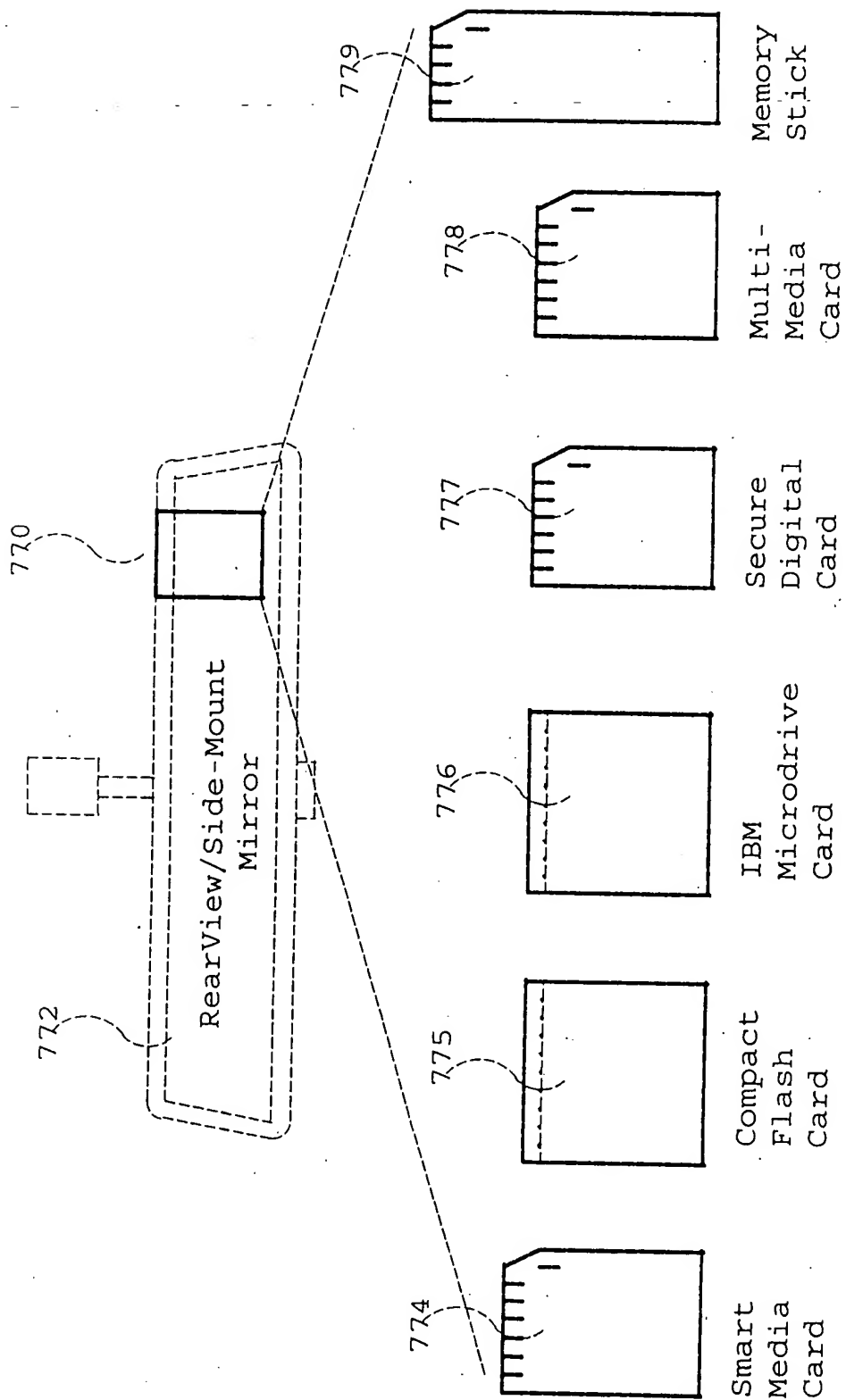


Fig. 16

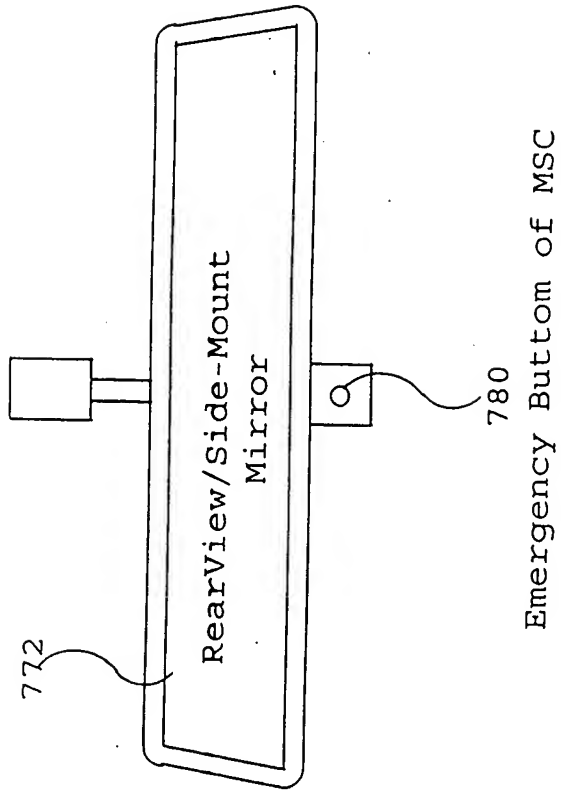


Fig. 17

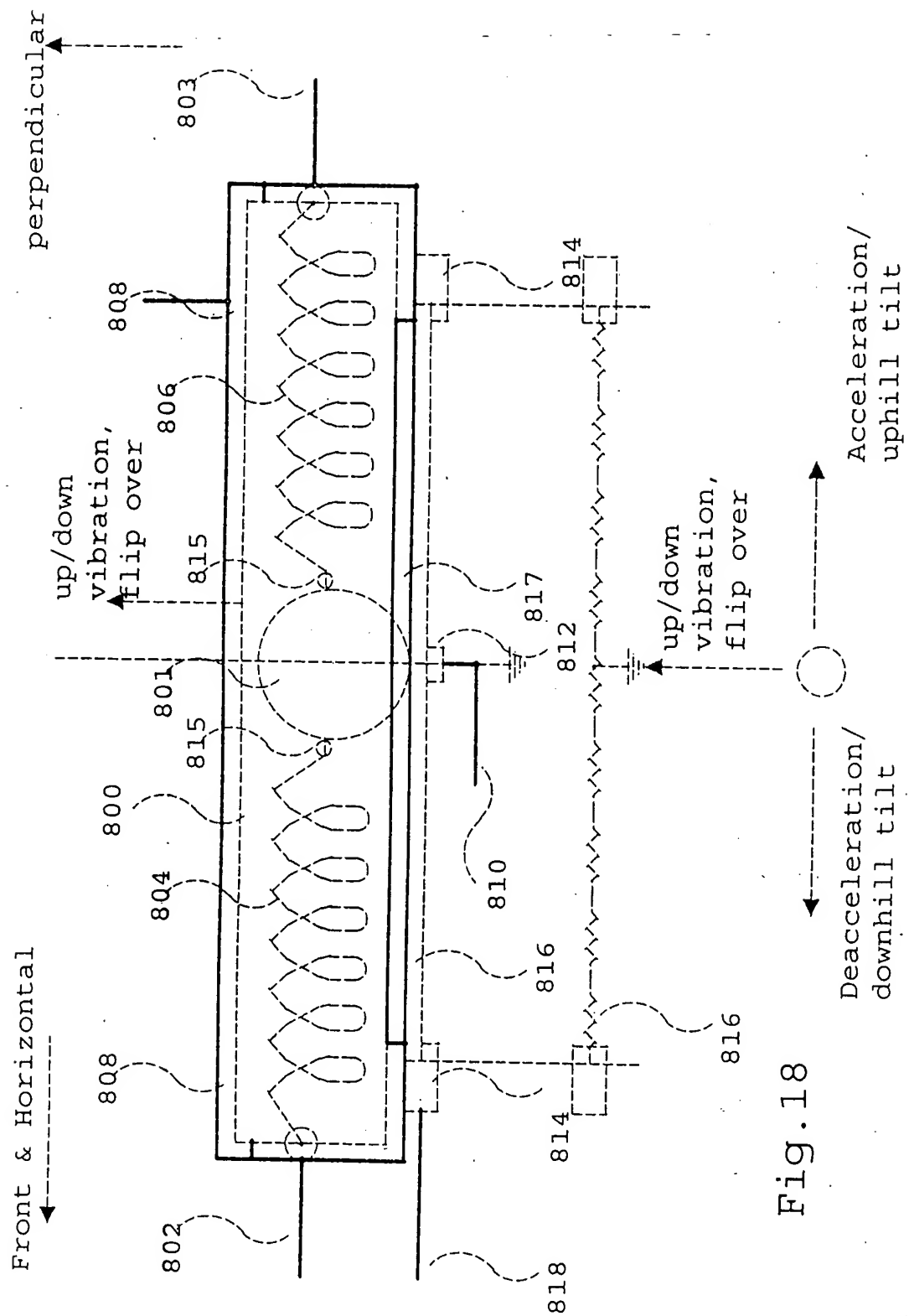


Fig. 18

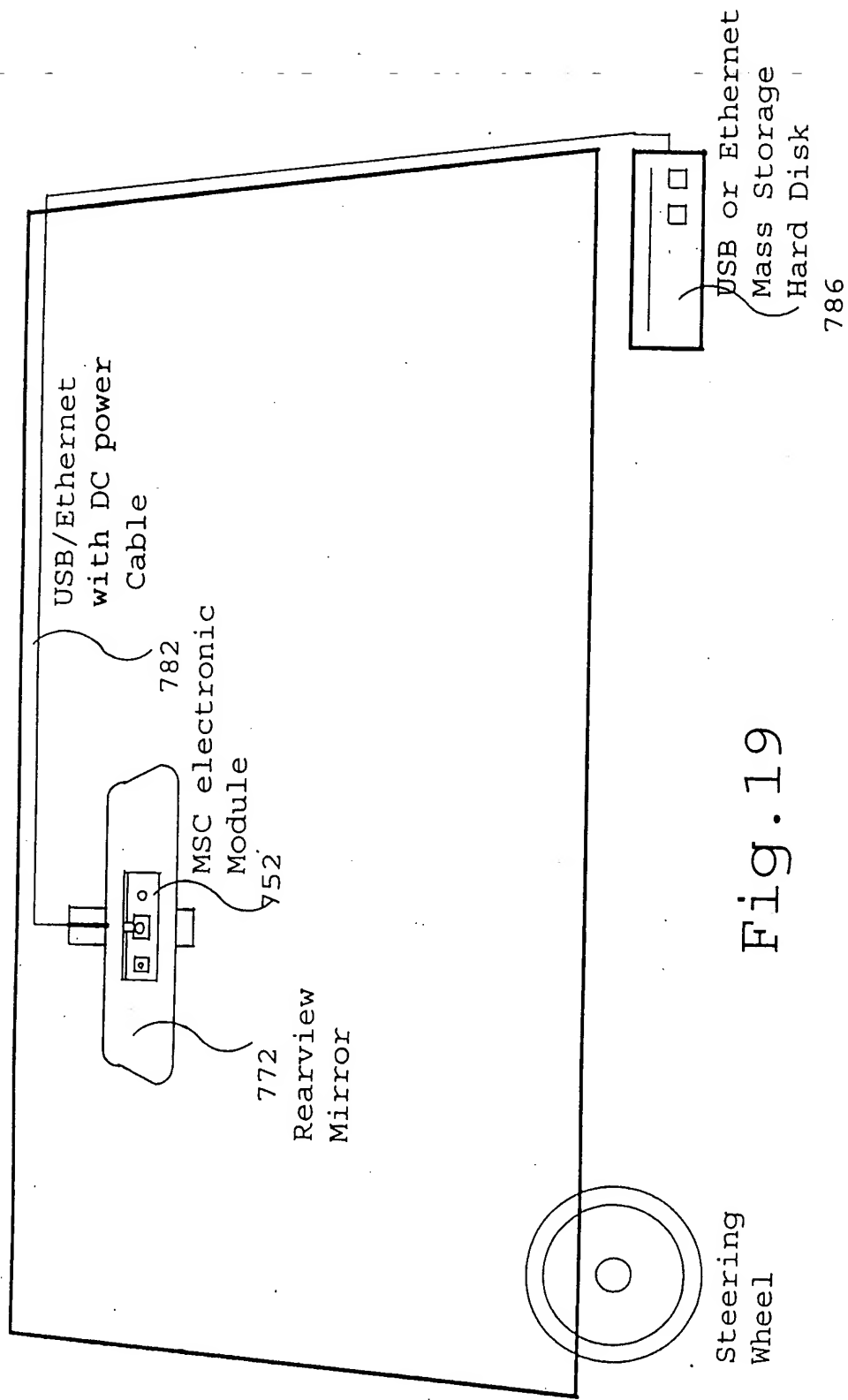


Fig. 19

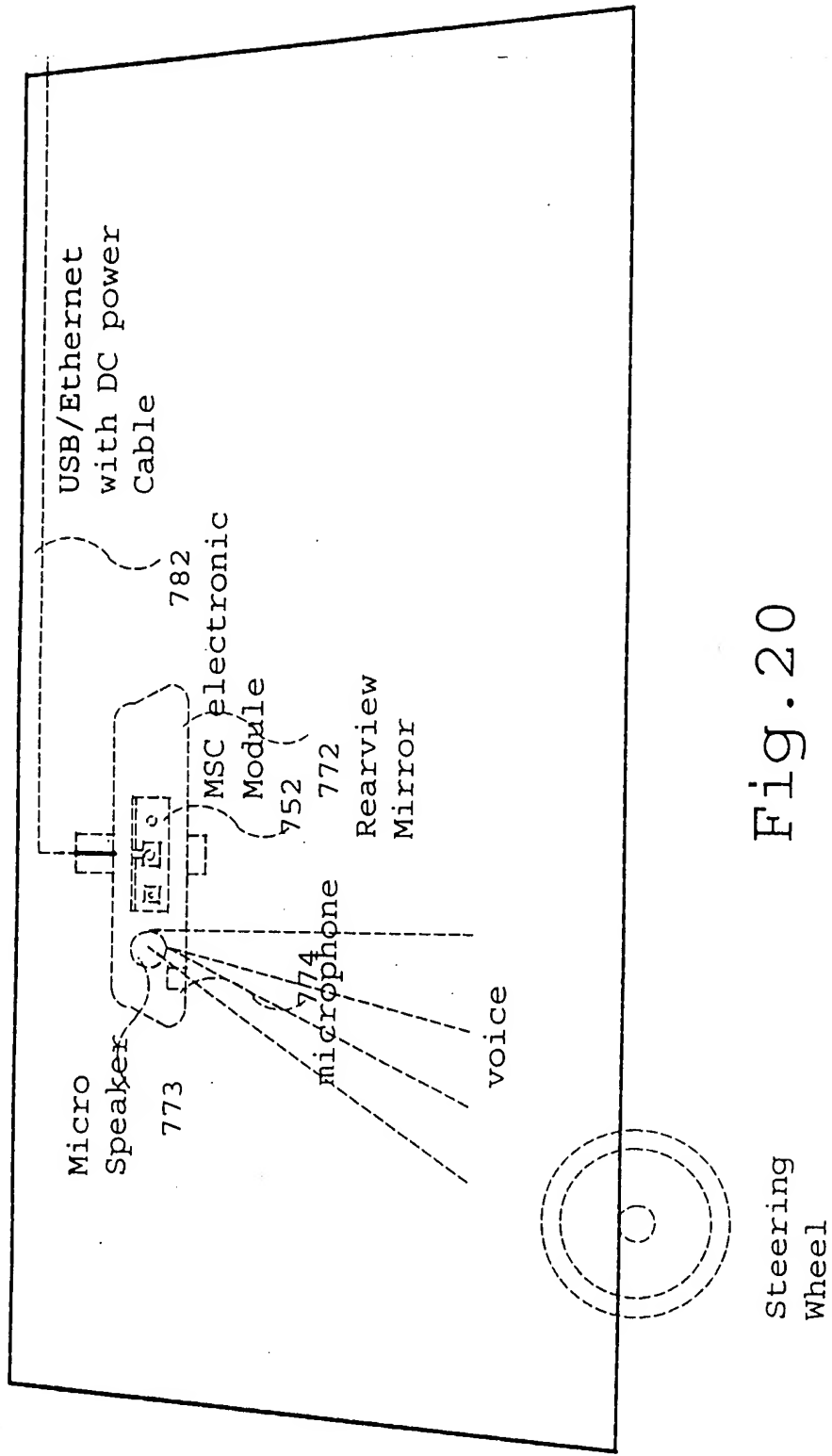


Fig. 20

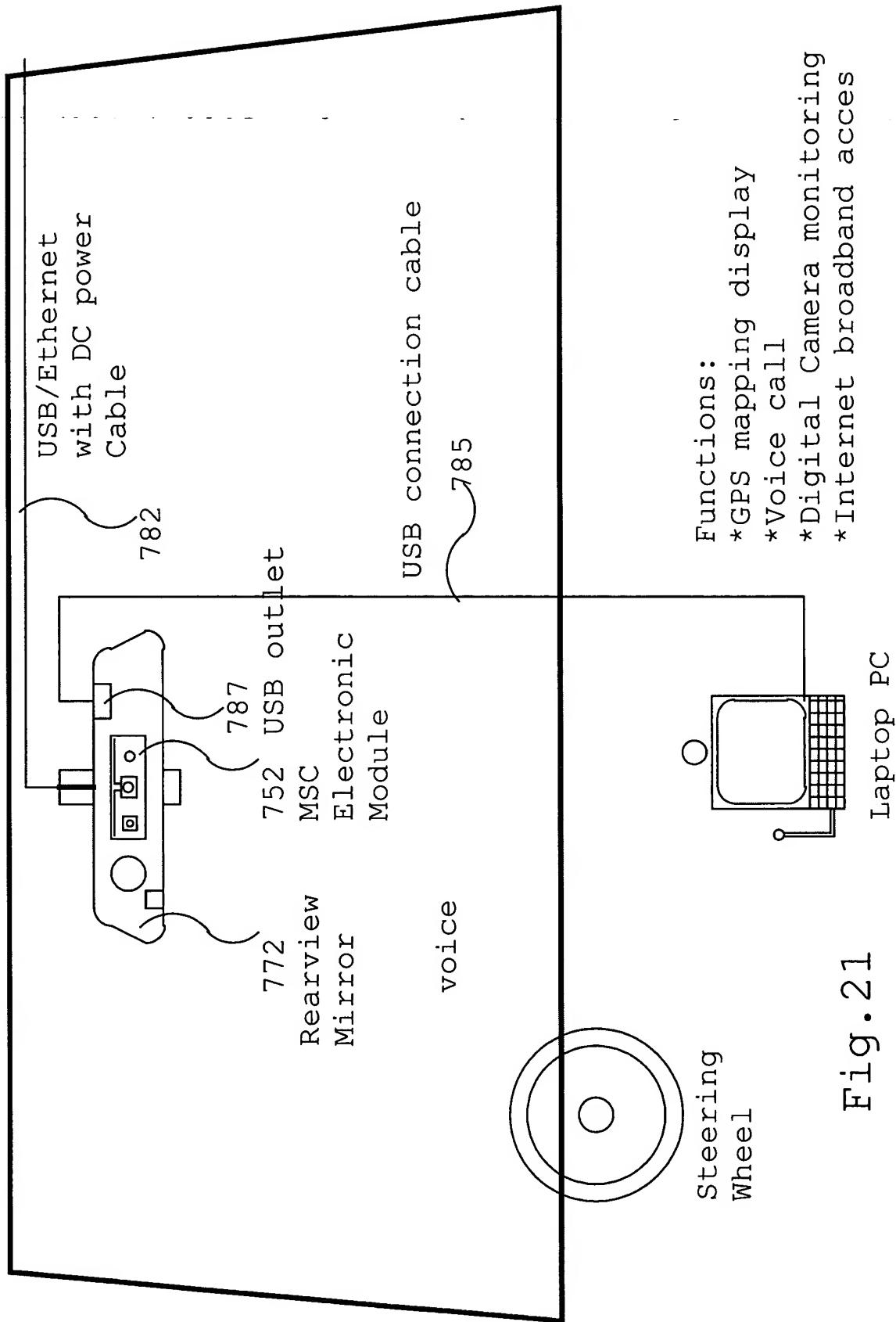


Fig.21

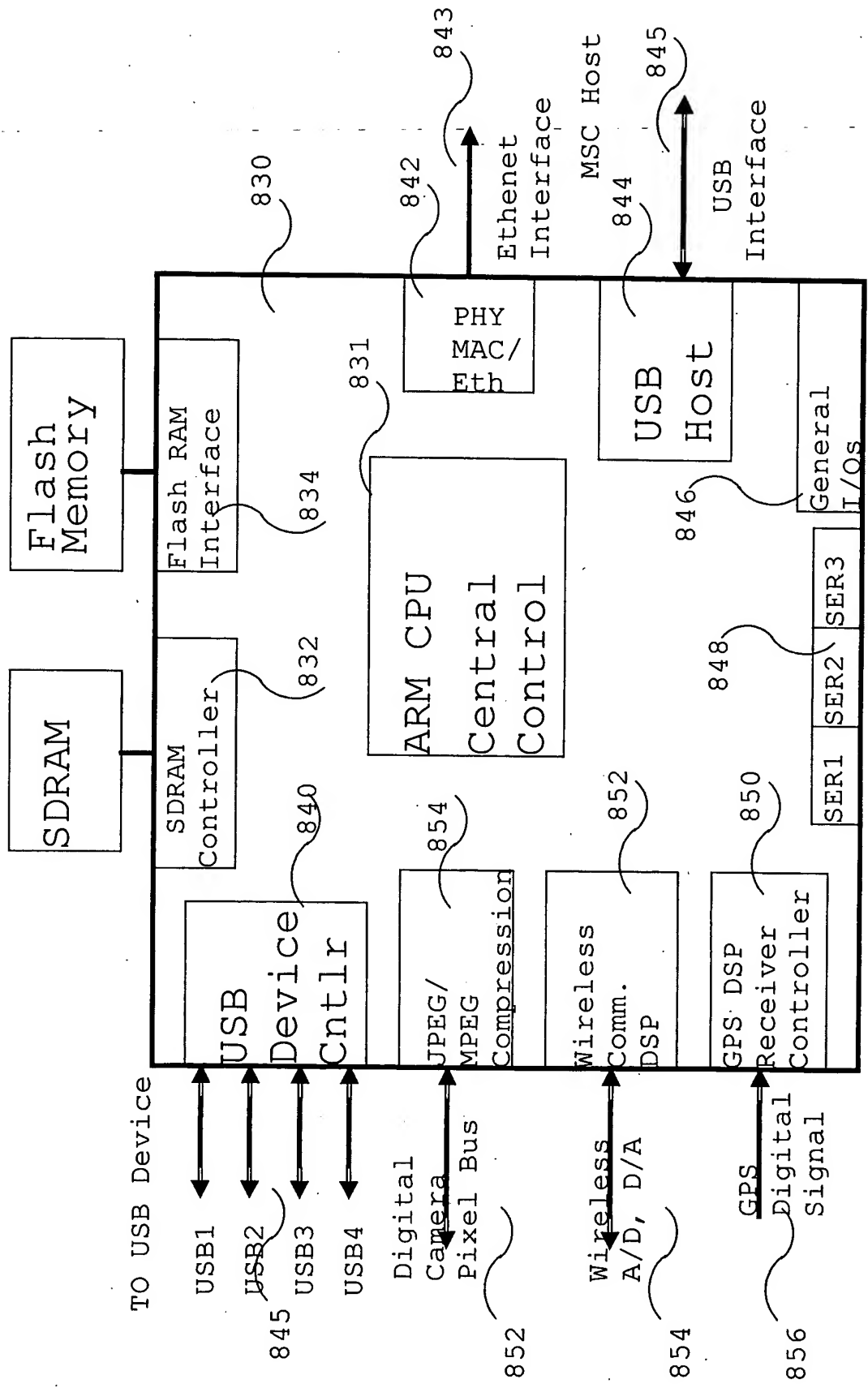
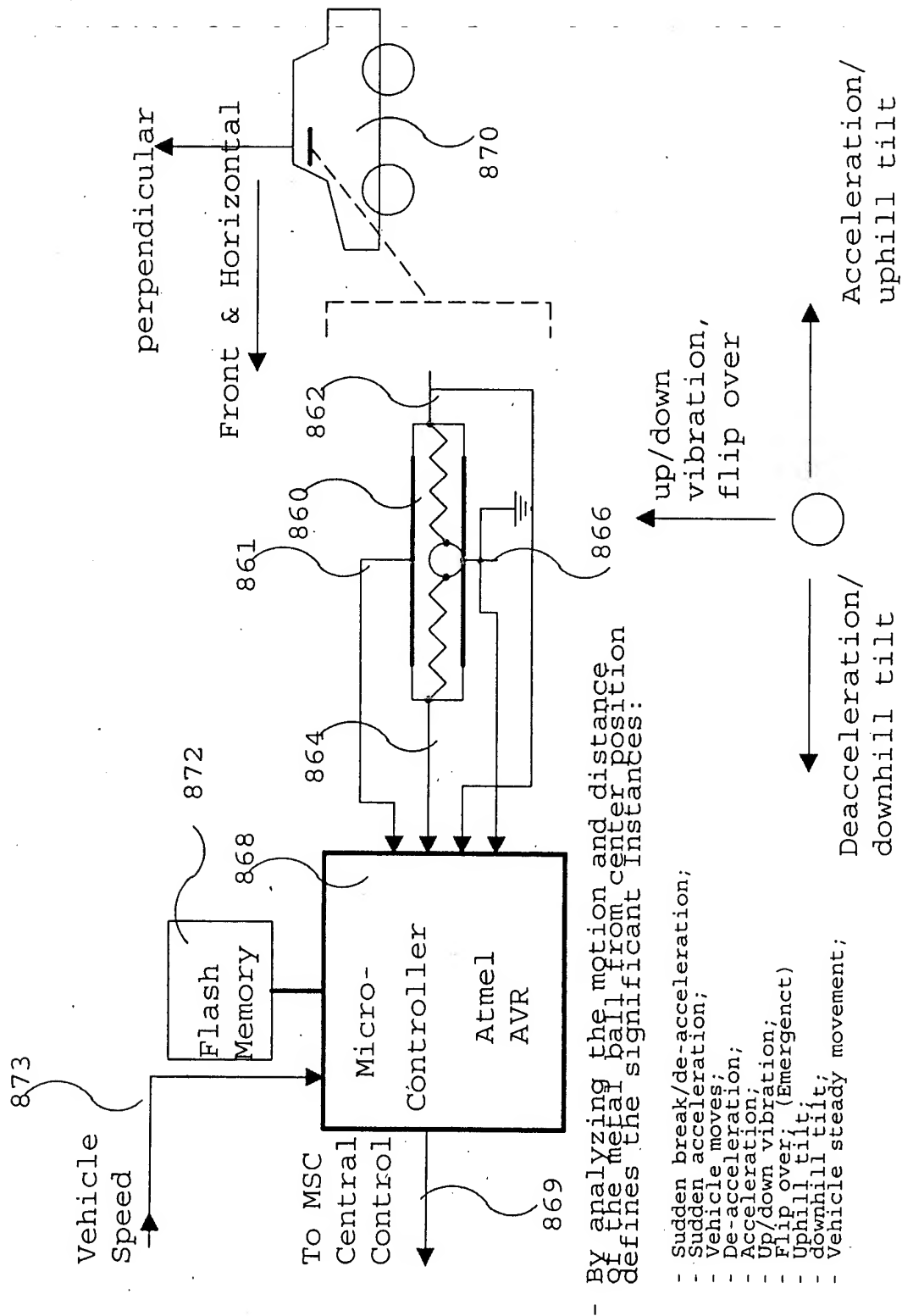


Fig. 22



- By analyzing the motion and distance of the metal ball from center position defines the significant instances:

- Sudden break/de-acceleration;
- Sudden acceleration;
- Vehicle moves;
- De-acceleration;
- Acceleration;
- Up/down vibration;
- Flip over; (Emergent)
- Uphill tilt;
- downhill tilt;
- Vehicle steady movement;

Fig. 23